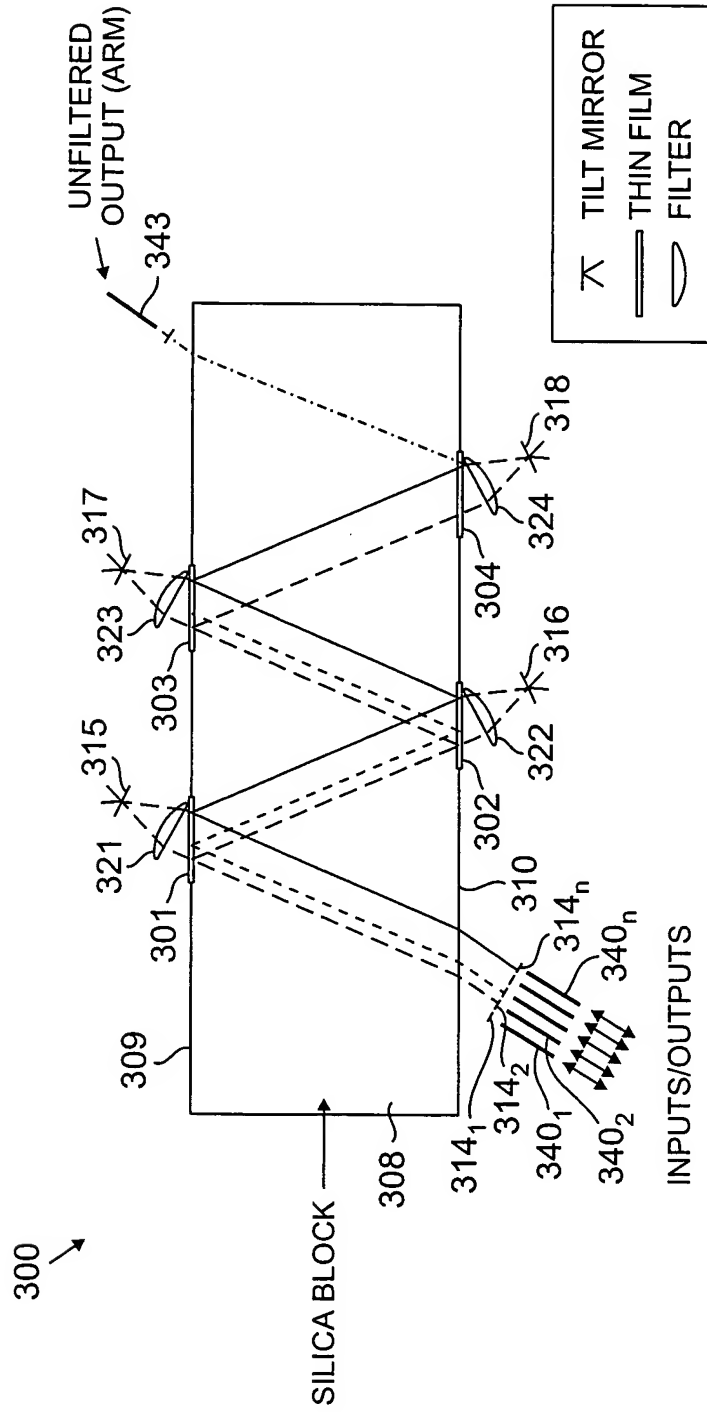


FLEXIBLE OPTICAL CROSS CONNECT (OXC)

**FIG. 1**  
(PRIOR ART)



BIDIRECTIONAL INPUTS/OUTPUTS WITH  
INDEPENDENT WAVELENGTH DISTRIBUTION

FIG. 2

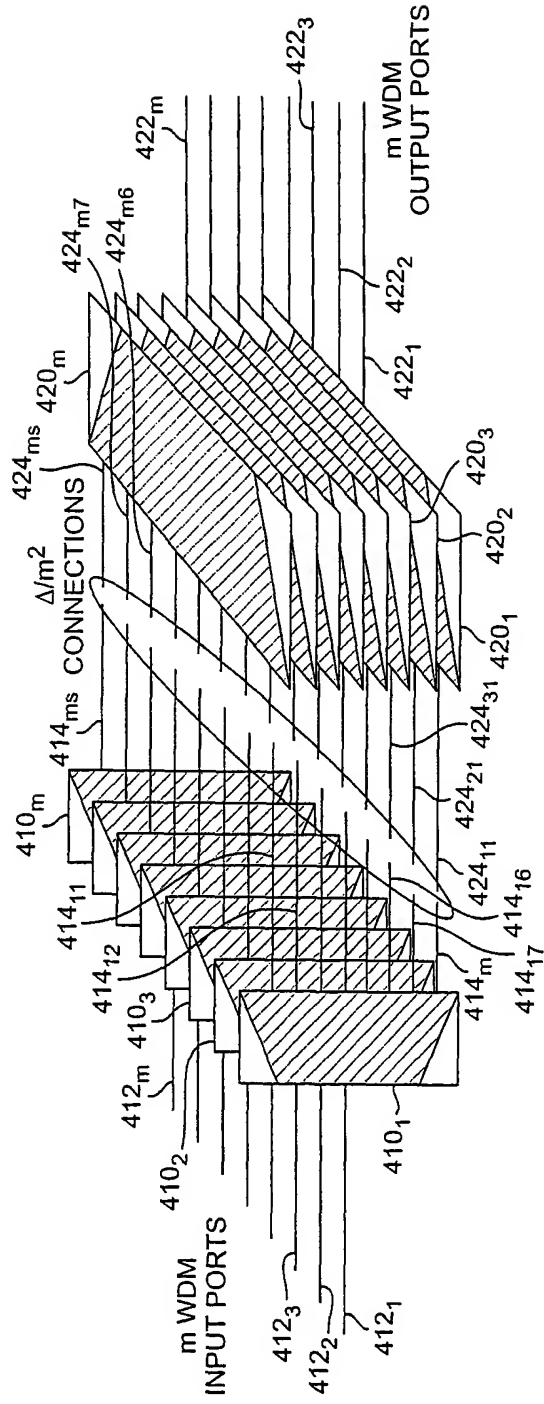
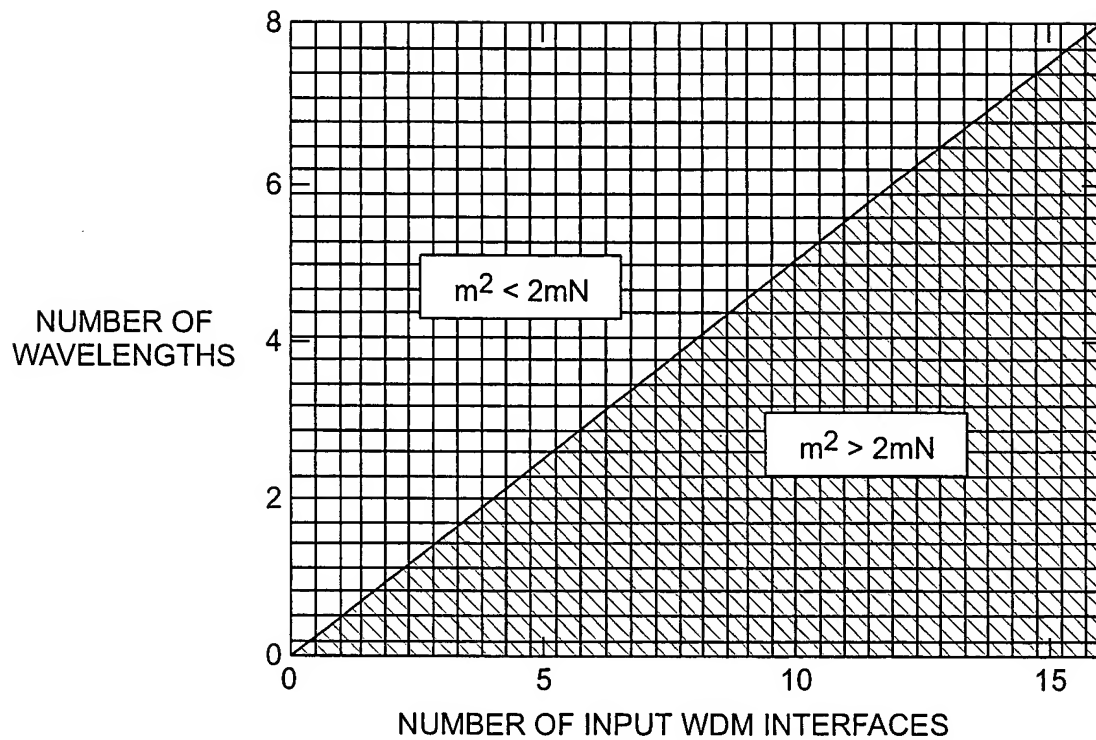
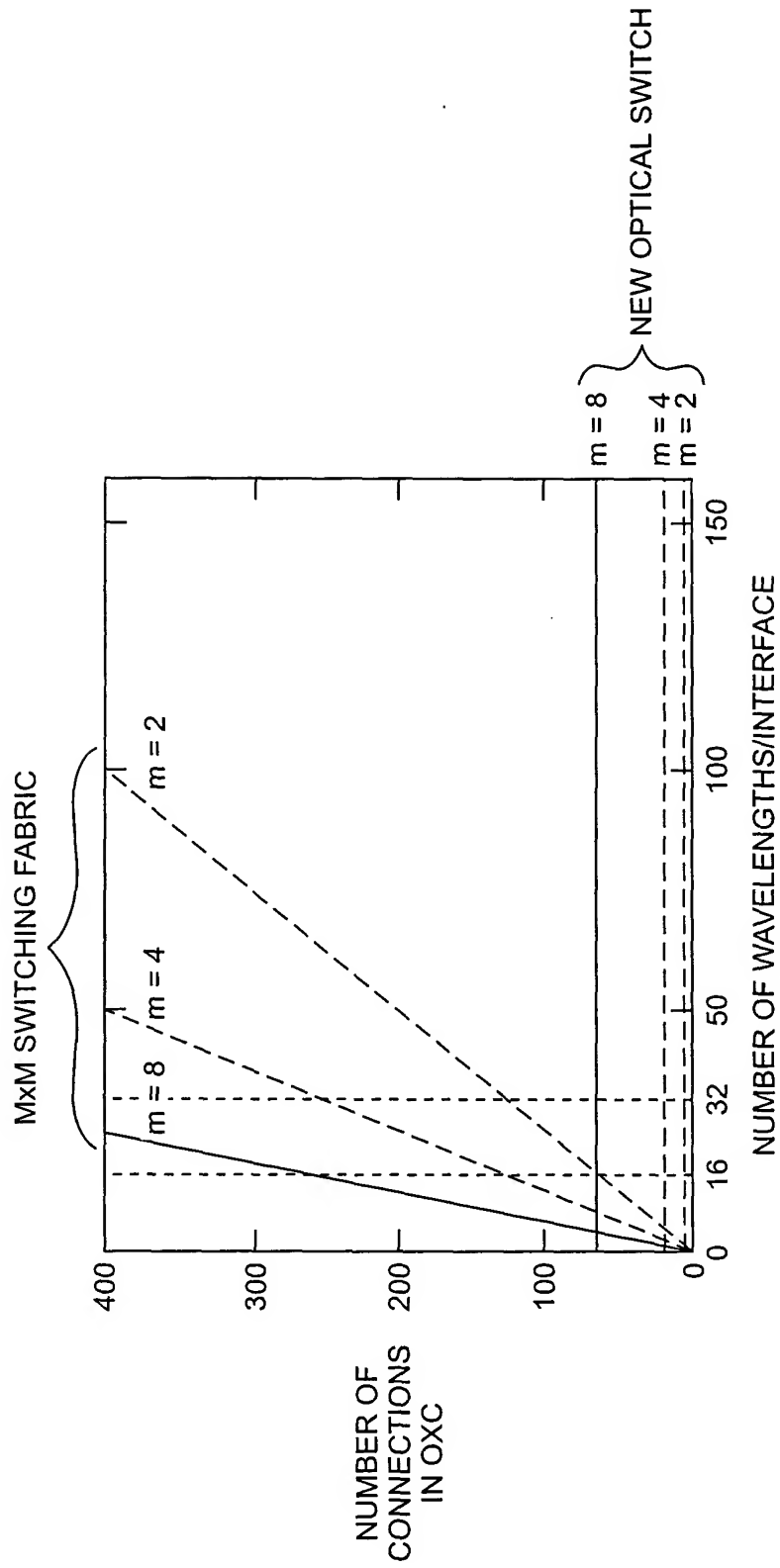


FIG. 3



OPTIMUM OXC TECHNOLOGY FOR DIFFERENT NUMBER  
OF WAVELENGTHS AND INTERFACES AS DEFINED  
BY THE MINIMUM NUMBER OF INTERCONNECTIONS REQUIRED

**FIG. 4**



THE SCALING OF THE NUMBER OF INTERCONNECTIONS REQUIRED TO BUILD AN OXC USING CONVENTION  $M \times M$  SWITCH TECHNOLOGY AND THE NEW OPTICAL SWITCH

**FIG. 5**

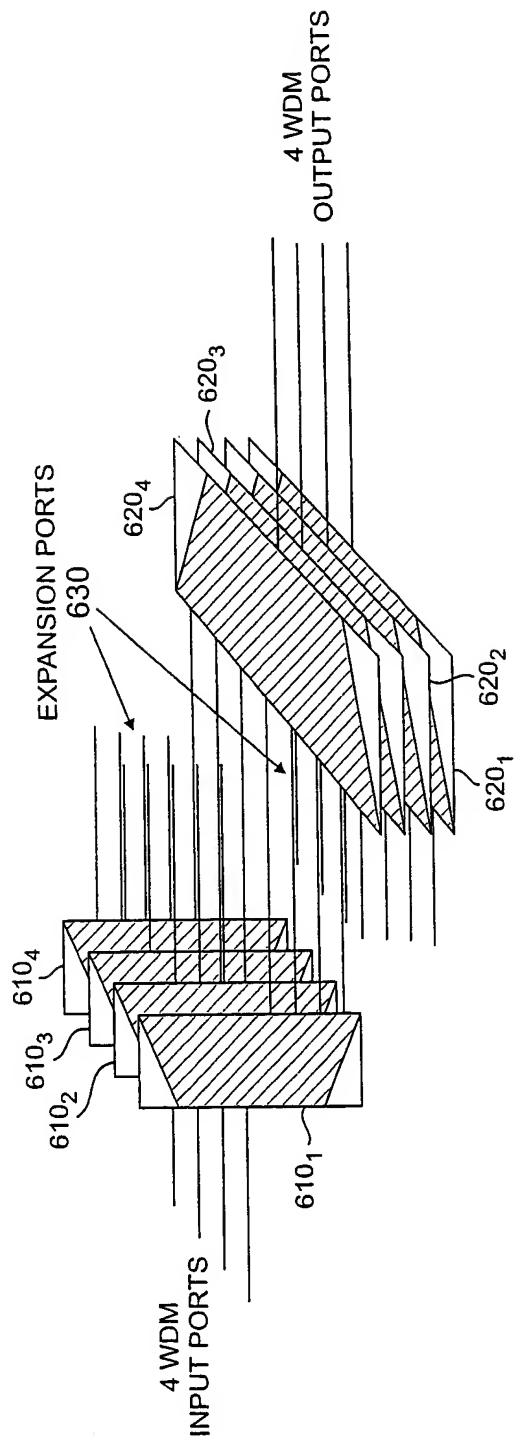


FIG. 6